



National Spent Nuclear Fuel Program

Document Title:

NSNFP QARD Requirements Matrix

Doc. No.: DOE/SNF/MTX-001
Revision: 10
Eff. Date: 09/16/2004
Page: 1 of 13
DAR No.: NSNF-536

Approval: Mark D. Gardner

Manager, National Spent Nuclear Fuel Program

Date:

9/17/04

DOE/RW-0333P Revision 14 QARD Section	NSNFP Management Organization (Department of Energy)	NSNFP Program Support Organization	NSNFP Quality Assurance Staff Organization	QARD Exceptions/Justifications or Comments
Section 1.0 Organization	DOE/SNF/QAPP-001, NSNFP Quality Assurance Program Plan PMP 1.03, Resolution of Quality Disputes PMP 2.08, Verification of Personnel Experience QAS 16.04, Stop Work	DOE/SNF/QAPP-001 PMP 1.03 PMP 2.08 QAS 16.04	DOE/SNF/QAPP-001 PMP 1.03 PMP 2.08 QAS 16.04	None
Sections 1.3.1 & 1.3.2	Not applicable	Not applicable	Not applicable	Exception: The sections do not apply to NSNFP Justification: These QARD sections are specific to the OCRWM organization.
Section 2.0 Quality Assurance Program Section 2.2.1 QA Program Documents	DOE/SNF/QAPP-001 NSNFP Documents Manual Introduction and Glossary PMP 2.07, Preparing the NSNFP Quality Assurance Plan and QARD Requirements Matrix PMP 6.01, Review and Approval of NSNFP Internal Documents PMP 6.04, Review of External Documents	DOE/SNF/QAPP-001 NSNFP Documents Manual Introduction and Glossary PMP 2.07 PMP 6.01 PMP 6.04	DOE/SNF/QAPP-001 NSNFP Documents Manual Introduction and Glossary PMP 2.07 PMP 6.01 PMP 6.04	Comment: The NSNFP Policy Statement appears in DOE/SNF/QAPP- 001.



National Spent Nuclear Fuel Program

Document Title:

NSNFP QARD Requirements Matrix

Doc. No.: DOE/SNF/MTX-001
 Revision: 10
 Eff. Date: 09/16/2004
 Page: 2 of 13
 DAR No.: NSNF-536

DOE/RW-0333P Revision 14 QARD Section	NSNFP Management Organization (Department of Energy)	NSNFP Program Support Organization	NSNFP Quality Assurance Staff Organization	QARD Exceptions/Justifications or Comments
Section 2.2.2 Classifying Items	Not Applicable	Not Applicable	Not Applicable	Exception: Development of a Q-List does not apply to NSNFP Justification: Because repository systems, structures, and components (SSCs) important to safety are determined by the license applicant, NSNFP does not generate a Q-list. NSNFP does not design or operate facilities or components of facilities. The suitability for use of information processed or provided by NSNFP is determined by the end user (the license applicant's designated designer).
Section 2.2.3 Controlling Activities	PSO 2.05 Planning/Quality Assurance Program Applicability Evaluations	PSO 2.05	PSO 2.05	None
Section 2.2.4 Applying QA Controls	PSO 2.05 Planning/Quality Assurance Program Applicability Evaluations	PSO 2.05	PSO 2.05	None
Section 2.2.5 Planning Work	PSO 2.05 Planning/Quality Assurance Program Applicability Evaluations PSO 3.03, Engineering Analysis PMP 5.01, Preparing Draft Procedures PMP 5.05, Developing Forms PSO 11.01, Testing	PSO 2.05 PSO 3.03 PMP 5.01 PMP 5.05 PSO 11.01	PSO 2.05 PSO 3.03 PMP 5.01 PMP 5.05 PSO 11.01	None
Section 2.2.6 Surveillances	DOE/SNF/QAPP-001 QAS 18.01, Planning and Scheduling Assessments QAS 18.03, Administration and Conduct of Surveillances	DOE/SNF/QAPP-001 QAS 18.01 QAS 18.03	DOE/SNF/QAPP-001 QAS 18.01 QAS 18.03	None



National Spent Nuclear Fuel Program

Document Title:

NSNFP QARD Requirements Matrix

Doc. No.: DOE/SNF/MTX-001
Revision: 10
Eff. Date: 09/16/2004
Page: 3 of 13
DAR No.: NSNF-536

DOE/RW-0333P Revision 14 QARD Section	NSNFP Management Organization (Department of Energy)	NSNFP Program Support Organization	NSNFP Quality Assurance Staff Organization	QARD Exceptions/Justifications or Comments
Section 2.2.7 Management Assessments	Not Applicable	Not Applicable	Not Applicable	Exception: QARD section 2.2.7 does not apply to NSNFP. Justification: Management Assessment as described by QARD section 2.2.7 is an activity performed by OCRWM.
Section 2.2.8 Readiness Reviews	Not applicable	Not applicable	Not applicable	Justification: Readiness reviews are performed for facilities or field programs and are not applicable to the functions performed by the NSNFP.
Section 2.2.9 Peer Reviews	Not applicable	Not applicable	Not applicable	Justification: The performance of peer reviews is not an anticipated function of the NSNFP. If a peer review is required, a NSNFP procedure will be developed.
Section 2.2.10 Document Review	DOE/SNF/QAPP-001 PMP 5.01, Preparing Draft Procedures PMP 6.01, Review and Approval of Internal NSNFP Documents PMP 6.04, Review of External Documents QAS 18.01, Planning and Scheduling Assessments	DOE/SNF/QAPP-001 PMP 5.01 PMP 6.01 PMP 6.04 QAS 18.01	DOE/SNF/QAPP-001 PMP 5.01 PMP 6.01 PMP 6.04 QAS 18.01	None



National Spent Nuclear Fuel Program

Document Title:

NSNFP QARD Requirements Matrix

Doc. No.: DOE/SNF/MTX-001
 Revision: 10
 Eff. Date: 09/16/2004
 Page: 4 of 13
 DAR No.: NSNF-536

DOE/RW-0333P Revision 14 QARD Section	NSNFP Management Organization (Department of Energy)	NSNFP Program Support Organization	NSNFP Quality Assurance Staff Organization	QARD Exceptions/Justifications or Comments
Section 2.2.11 QA Program Information Management	DOE/SNF/QAPP-001 QAS 16.03, Quality Assurance Trending QAS 18.02, Administration and Conduct of Audits QAS 18.03, Administration and Conduct of Surveillances	DOE/SNF/QAPP-001 QAS 16.03 QAS 18.02 QAS 18.03	DOE/SNF/QAPP-001 QAS 16.03 QAS 18.02 QAS 18.03	None
Section 2.2.12 Personnel Qualification	DOE/SNF/QAPP-001 PMP 6.01, Review and Approval of NSNFP Internal Documents PMP 2.04, Personnel Indoctrination and Proficiency Training PMP 2.08, Verification of Personnel Experience	DOE/SNF/QAPP-001 PMP 6.01 PMP 2.04 PMP 2.08	DOE/SNF/QAPP-001 PMP 6.01 PMP 2.04 PMP 2.08	None
Section 2.2.13 Qualification of Personnel Who Perform Inspection, Nondestructive Examination, Testing, and Auditing	PMP 2.04, Personnel Indoctrination and Proficiency Training PMP 2.08, Verification of Personnel Experience QAS 18.04, Qualification of Audit Personnel	PMP 2.04 PMP 2.08 QAS 18.04	PMP 2.04 PMP 2.08 QAS 18.04	Exception: Qualification requirements for Inspection, Nondestructive Examination, and Testing are not applicable to NSNFP. Justification: The direct performance of Inspection, Nondestructive Examination, or Testing by NSNFP is not anticipated. Performance of these activities may be accomplished by NSNFP suppliers when required.



National Spent Nuclear Fuel Program

Document Title:

NSNFP QARD Requirements Matrix

Doc. No.: DOE/SNF/MTX-001
 Revision: 10
 Eff. Date: 09/16/2004
 Page: 5 of 13
 DAR No.: NSNF-536

DOE/RW-0333P Revision 14 QARD Section	NSNFP Management Organization (Department of Energy)	NSNFP Program Support Organization	NSNFP Quality Assurance Staff Organization	QARD Exceptions/Justifications or Comments
None	PMP 2.09, Self-Assessment	PMP 2.09	PMP 2.09	Comment: The self-assessment process is adopted by NSNFP as a best management practice. The practice does not implement the QARD and is not a substitute for QA audits (QARD 18.0), QA surveillances (QARD 2.6), or Management Assessments (QARD 2.2.7).
Section 3.0 Design Control	PSO 3.01, Design Control PSO 3.03, Engineering Analysis PSO 3.04, Engineering Documentation PMP 6.01, Review and Approval of NSNFP Internal Documents PSO 11.01, Testing PSO 19.02, Management of the Spent Fuel Database	PSO 3.01 PSO 3.03 PSO 3.04 PMP 6.01 PSO 11.01 PSO 19.02	PSO 3.01 PSO 3.03 PSO 3.04 PMP 6.01 PSO 11.01 PSO 19.02	The suitability for use of information processed or provided by NSNFP is determined by the end user (the license applicant's designated designer).



National Spent Nuclear Fuel Program

Document Title:

NSNFP QARD Requirements Matrix

Doc. No.: DOE/SNF/MTX-001
Revision: 10
Eff. Date: 09/16/2004
Page: 6 of 13
DAR No.: NSNF-536

DOE/RW-0333P Revision 14 QARD Section	NSNFP Management Organization (Department of Energy)	NSNFP Program Support Organization	NSNFP Quality Assurance Staff Organization	QARD Exceptions/Justifications or Comments
Section 4.0 Procurement Document Control	PSO 2.05, Planning/Quality Assurance Program Applicability Evaluations PMP 6.01, Review and Approval of NSNFP Internal Documents PSO 4.01, Procurement of Items and Services from the Private Sector PSO 4.02, Acquiring Government Sector Services	PSO 2.05 PMP 6.01 PSO 4.01 PSO 4.02	PSO 2.05 PMP 6.01 PSO 4.01 PSO 4.02	None
Section 5.0 Implementing Documents	DOE/SNF/QAPP-001 PMP 5.01 Preparing Draft Procedures PMP 5.05, Developing Forms PMP 6.01, Review and Approval of NSNFP Internal Documents PSO 11.01, Testing	DOE/SNF/QAPP-001 PMP 5.01 PMP 5.05 PMP 6.01 PSO 11.01	DOE/SNF/QAPP-001 PMP 5.01 PMP 5.05 PMP 6.01 PSO 11.01	None



National Spent Nuclear Fuel Program

Document Title:

NSNFP QARD Requirements Matrix

Doc. No.: DOE/SNF/MTX-001
Revision: 10
Eff. Date: 09/16/2004
Page: 7 of 13
DAR No.: NSNF-536

DOE/RW-0333P Revision 14 QARD Section	NSNFP Management Organization (Department of Energy)	NSNFP Program Support Organization	NSNFP Quality Assurance Staff Organization	QARD Exceptions/Justifications or Comments
Section 6.0 Document Control	DOE/SNF/QAPP-001 PMP 5.01, Preparing Draft Procedures PMP 5.05, Developing Forms PMP 6.01, Review and Approval of Internal NSNFP Documents PMP 6.03, Managing Document Control and Distribution PMP 6.04, Review of External Documents PSO 11.01, Testing	DOE/SNF/QAPP-001 PMP 5.01 PMP 5.05 PMP 6.01 PMP 6.03 PMP 6.04 PSO 11.01	DOE/SNF/QAPP-001 PMP 5.01 PMP 5.05 PMP 6.01 PMP 6.03 PMP 6.04 PSO 11.01	None



National Spent Nuclear Fuel Program

Document Title:

NSNFP QARD Requirements Matrix

Doc. No.: DOE/SNF/MTX-001
Revision: 10
Eff. Date: 09/16/2004
Page: 8 of 13
DAR No.: NSNF-536

DOE/RW-0333P Revision 14 QARD Section	NSNFP Management Organization (Department of Energy)	NSNFP Program Support Organization	NSNFP Quality Assurance Staff Organization	QARD Exceptions/Justifications or Comments
Section 7.0 Control of Purchased Items and Services	DOE/SNF/QAPP-001 PSO 2.05, Planning/Quality Assurance Program Applicability Evaluations PSO 4.01 Procurement of Items and Services from the Private Sector PSO 4.02, Acquiring Government Sector Services PMP 6.01, Review and Approval of NSNFP Internal Documents PSO 7.02 Evaluation of Services from Government Sector Suppliers PSO 7.03 Acceptance of Products from Government Sector Suppliers QAS 16.02, Corrective Action QAS 18.01, Planning and Scheduling Assessments QAS 18.04, Qualification of Audit Personnel	DOE/SNF/QAPP-001 PSO 2.05 PSO 4.01 PSO 4.02 PMP 6.01 PSO 7.02 PSO 7.03 QAS 16.02 QAS 18.01 QAS 18.04	DOE/SNF/QAPP-001 PSO 2.05 PSO 4.01 PSO 4.02 PMP 6.01 PSO 7.02 PSO 7.03 QAS 16.02 QAS 18.01 QAS 18.04	<p>Comment:</p> <p>Prior to April 01, 2004</p> <p><i>DOE SNF Sites</i> (see glossary) were signatory to Memorandums of Agreement with the NSNFP. The written DOE SNF Site QA Program was subject to review for acceptance, initial and annual audits, and periodic surveillances by NSNFP or OCRWM OQA.</p> <p>DOE SNF Sites accepted by the NSNFP Quality Assurance Program Manager (QAPM) as qualified may also be considered as qualified government sector suppliers to the NSNFP and may be subject to additional evaluation or audit for this purpose. The purchase of items by NSNFP from these sources is not anticipated. Private Sector supplier selection and bid/proposal evaluations are coordinated by a NSNFP-approved procurement service. The approved procurement service works in coordination with the NSNFP. The purchase of either items or services from the private sector may be undertaken including the purchase of commercial grade items.</p> <p>After April 01, 2004</p> <p>Acceptance of DOE SNF QA programs is a function of OCRWM. OCRWM acceptance may be taken into consideration when NSNFP evaluates a potential government sector supplier.</p>
Sections 8.0 through 10.0	Not applicable	Not applicable	Not applicable	<p>Exception: Theses QARD sections do not apply to activities directly performed by NSNFP.</p> <p>Justification: The current mission and objectives of the NSNFP as delineated by DOE/SNF/PP-033 do not require direct performance by NSNFP of fieldwork subject to the requirements contained in Sections 8, 9, & 10 of the QARD.</p>



National Spent Nuclear Fuel Program

Document Title:

NSNFP QARD Requirements Matrix

Doc. No.: DOE/SNF/MTX-001
Revision: 10
Eff. Date: 09/16/2004
Page: 9 of 13
DAR No.: NSNF-536

DOE/RW-0333P Revision 14 QARD Section	NSNFP Management Organization (Department of Energy)	NSNFP Program Support Organization	NSNFP Quality Assurance Staff Organization	QARD Exceptions/Justifications or Comments
Section 11.0 Test Control	PSO 11.01, Testing PSO 19.01, Software Control	PSO 11.01 PSO 19.01	PSO 11.01 PSO 19.01	None
Sections 12.0 through 15.0	Not applicable	Not applicable	Not applicable	Exception: These QARD sections do not apply to activities directly performed by NSNFP. Justification: The current mission and objectives of the NSNFP as delineated by DOE/SNF/PP-033 do not require direct performance by NSNFP of fieldwork subject to the requirements contained in Sections 12, 13, 14, & 15 of the QARD.
Section 16.0 Corrective Action	QAS 16.02, Corrective Action QAS 16.03, Quality Assurance Trending QAS 16.04, Stop Work QAS 18.02, Administration and Conduct of Audits QAS 18.03, Administration and Conduct of Surveillances	QAS 16.02 QAS 16.03 QAS 16.04 QAS 18.02 QAS 18.03	QAS 16.02 QAS 16.03 QAS 16.04 QAS 18.02 QAS 18.03	None



National Spent Nuclear Fuel Program

Document Title:

NSNFP QARD Requirements Matrix

Doc. No.: DOE/SNF/MTX-001
 Revision: 10
 Eff. Date: 09/16/2004
 Page: 10 of 13
 DAR No.: NSNF-536

DOE/RW-0333P Revision 14 QARD Section	NSNFP Management Organization (Department of Energy)	NSNFP Program Support Organization	NSNFP Quality Assurance Staff Organization	QARD Exceptions/Justifications or Comments
Section 17.0 Quality Assurance Records	PMP 2.04, Personnel Indoctrination and Proficiency Training	PMP 2.04	PMP 2.04	None
	PSO 4.02, Acquiring Government Sector Services	PSO 4.02	PSO 4.02	
	PMP 5.01, Preparing Draft Procedures	PMP 5.01	PMP 5.01	
	PMP 6.01, Review and Approval of NSNFP Internal Documents	PMP 6.01	PMP 6.01	
	PMP 17.01, Records Management—Collecting QA Records	PMP 17.01	PMP 17.01	
	PMP 17.03, Records Management—Facility Description and Practices	PMP 17.03	PMP 17.03	
Section 18.0 Audits	DOE/SNF/QAPP-001	DOE/SNF/QAPP-001	DOE/SNF/QAPP-001	None
	PSO 7.02, Evaluation of Services from Government Sector Suppliers	PSO 7.02	PSO 7.02	
	QAS 18.01, Planning and Scheduling Assessments	QAS 18.01	QAS 18.01	
	QAS 18.02, Administration and Conduct of Audits	QAS 18.02	QAS 18.02	
	QAS 18.03, Administration and Conduct of Surveillances	QAS 18.03	QAS 18.03	
	QAS 18.04, Qualification of Audit Personnel	QAS 18.04	QAS 18.04	



National Spent Nuclear Fuel Program

Document Title:

NSNFP QARD Requirements Matrix

Doc. No.: DOE/SNF/MTX-001
Revision: 10
Eff. Date: 09/16/2004
Page: 11 of 13
DAR No.: NSNF-536

DOE/RW-0333P Revision 14 QARD Section	NSNFP Management Organization (Department of Energy)	NSNFP Program Support Organization	NSNFP Quality Assurance Staff Organization	QARD Exceptions/Justifications or Comments
Supplement I Software	PSO 3.03, Engineering Analysis PSO 3.04, Engineering Documentation PSO 4.01, Procure of Items and Services From the Private Sector PSO 4.02, Acquiring Government Sector Services PMP 6.01, Review and Approval of NSNFP Internal Documents PSO 19.01, Software Control PSO 19.02, Management of the Spent Fuel Database	PSO 3.03 PSO 3.04 PSO 4.01 PSO 4.02 PMP 6.01 PSO 19.01 PSO 19.02	PSO 3.03 PSO 3.04 PSO 4.01 PSO 4.02 PMP 6.01 PSO 19.01 PSO 19.02	None
Supplement II Sample Control	Not applicable	Not applicable	Not applicable	Exception: Sample control is not applicable to the activities of NSNFP. Justification: Activities performed directly by NSNFP personnel do not require control of samples.
Supplement III Scientific Investigation	PSO 2.05, Planning/Quality Assurance Program Applicability Evaluations PSO 3.03, Engineering Analysis PSO 3.04, Engineering Documentation PSO 11.01, Testing	PSO 2.05 PSO 3.03 PSO 3.04 PSO 11.01	PSO 2.05 PSO 3.03 PSO 3.04 PSO 11.01	Comment: PSO 11.01, Testing and PSO 3.03, Engineering Analysis address Supplement III Criteria, as applicable to the NSNFP mission and objectives established by DOE/SNF/PP-033.



National Spent Nuclear Fuel Program

Document Title:

NSNFP QARD Requirements Matrix

Doc. No.: DOE/SNF/MTX-001
Revision: 10
Eff. Date: 09/16/2004
Page: 12 of 13
DAR No.: NSNF-536

DOE/RW-0333P Revision 14 QARD Section	NSNFP Management Organization (Department of Energy)	NSNFP Program Support Organization	NSNFP Quality Assurance Staff Organization	QARD Exceptions/Justifications or Comments
Supplement IV Field Surveying	Not applicable	Not applicable	Not applicable	Exception: Field surveying is not applicable to the activities of NSNFP. Justification: Activities performed directly by NSNFP personnel to meet the mission and objectives of the NSNFP do not require control of field surveying.
Supplement V Control of the Electronic Management of Data	DOE/SNF/QAPP-001 PSO 3.03, Engineering Analysis PMP 17.01, Records Management –Collecting QA Records PMP 17.03, Records Management – Facility Description and Practices PSO 19.02, Management of the Spent Fuel Database PSO 19.03, Control of the Electronic Management of Information	DOE/SNF/QAPP-001 PSO 3.03 PMP 17.01 PMP 17.03 PSO 19.02 PSO 19.03	DOE/SNF/QAPP-001 PSO 3.03 PMP 17.01 PMP 17.03 PSO 19.02 PSO 19.03	None
Appendix A High-Level Waste Form Production	Not applicable	Not applicable	Not applicable	Exception: Appendix A is not applicable to NSNFP activities. Justification: The NSNFP mission and objectives established by DOE/SNF/PP-033 do not extend to HLW Form Production.



National Spent Nuclear Fuel Program

Document Title:

NSNFP QARD Requirements Matrix

Doc. No.: DOE/SNF/MTX-001
Revision: 10
Eff. Date: 09/16/2004
Page: 13 of 13
DAR No.: NSNF-536

DOE/RW-0333P Revision 14 QARD Section	NSNFP Management Organization (Department of Energy)	NSNFP Program Support Organization	NSNFP Quality Assurance Staff Organization	QARD Exceptions/Justifications or Comments
Appendix B Storage and Transportation	Not applicable	Not applicable	Not applicable	Clarification: The NSNFP procedures apply to the communication or translation of repository criteria for storage and transportation systems.
Appendix C Monitored Geologic Repository	Not applicable	Not applicable	Not applicable	Exception: Appendix C does not apply to the NSNFP. Justification: Appendix C applies to unique work conducted by others and is not within the NSNFP mission and objectives established by DOE/SNF/PP-033.